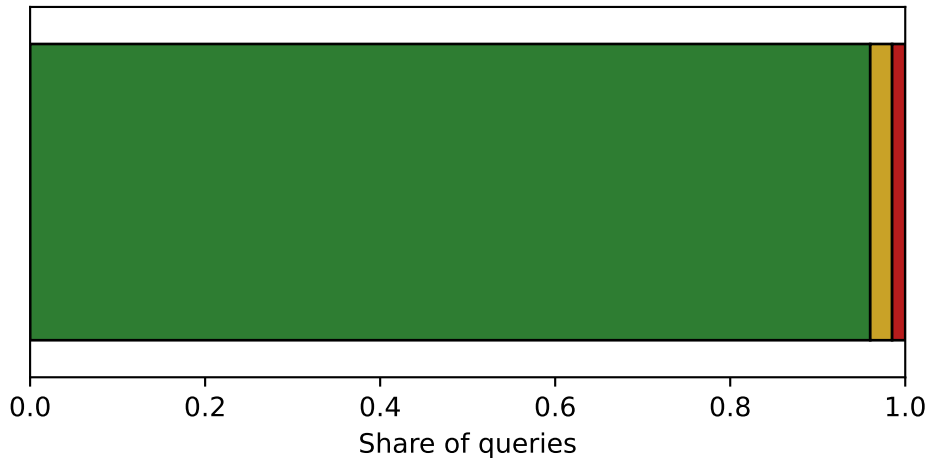


Top-10 agreement: batch vs. 10-step streaming (n=200)



- Bit-wise identical top-10 (192/200, 96.0 %)
- Same set, different order (5/200, 2.5 %)
- Set mismatched (tie at rank 9-10) (3/200, 1.5 %)

MRR under streaming ( $\Delta = +0.0000$ )

